

### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

**REGION 7** 25 FUNSTON ROAD KANSAS CITY, KANSAS 66115

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JAN 1 1 1989

#### MEMORANDUM

SUBJECT: Report on Analysis of First Set of Chemical

Commodities Samples (Activity PK869)

FROM:

Gerald L. McKinney

Acting Chief, Analytical Services Section, LABO/ENSV

TO:

Andrea M. Jirka

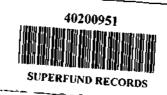
Chief, Laboratory Branch, ENSV

ANSV has completed the analysis of the requested parameters from the above activity. The analytical results are attached. For your convenience, I have summarized the major findings:

- 1. Five composite soil samples were taken at the Shawnee site (PK869).
  - a. PK869001 nothing significantly high was found for either metals or pesticides.
  - b. PK869002 low level dieldrin (23 ug/kg) contamination was found.
  - PK869003 dieldrin contamination was found (280
  - ug/kg) as was antimony (87 mg/kg). d. PK869004 and 04D dieldrin contamination was found in the sample and duplicate (710, 520 ug/kg), as was antimony (87,56 mg/kg).

If you have any questions about these data, please let me know.

Attachment





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#### MEMORANDUM

SUBJECT: GC/MS Scan Analysis of Activity PK869

FROM:

William W. Bunn w. tun. Chief, Mass Spectrometry Section, LABO/ENSV

TO:

Andrea M. Jirka

Chief, Laboratory Branch, ENSV

The GC/MS scan analysis for activity PK869 Chemical Commodities, Shawnee has been completed, data sheets are attached. A summary of the analytical results is as follows:

- PK869001: Background soil sample. No significant compounds were detected by the GC/MS scan.
- PK869002: Sediment from drainage ditch. No significant compounds were detected by the GC/MS scan.
- PK869003: Sediment from N-S drainage ditch. No significant compounds were detected by the GC/MS scan.
- PK869004 and PK869004D: Sediment from drainage pathway. significant compounds were detected by the GC/MS scan.

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Attachment

cc: Data Files

# Tentatively Identified Compounds from GC/MS Scan

Fraction GC/ms Sen-	Method No.
Sample Number PK 869001	Date/Analyst 12/22/88 P.B.
Matrix Seil	Units Ma/Ka
•	

Scan Number	Compound Name	*Estimated Value
2368	unidentified alaphatic hydrocarbon	0,2
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\* This is a crude estimation based on response relative to an internal standard An thentic standard has not been run.

Fraction GE/MS Scare	Method No
Sample Number PK 869002	Date/Analyst 12/22/88 P.D.
Natrix Soil .	Units Malka
•	
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Scan Number	Compound Name	*Estimated Value
	No compounds were ditected in the 1 to 20	
	No compounds were detected in the 1 to 20 dilution of the 8 ml extract.	
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<sup>\*</sup> This is a crude estimation based on response relative to an internal standard An thentic standard has not been run.

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Hatrix Soil	· Units Mg/Kg
Sample Number PK86900	3 Date/Analyst 12-22-88 P.D.
Fraction GC/MS Se	<del></del>

Scan Number	Compound Name	*Estimated Value
	No compounds were detected in the	
	1 to 20 delution of the 8 ml extract.	
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<sup>\*</sup> This is a crude estimation based on response relative to an internal standard. An ithentic standard has not been run.

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	GC/MS Scor PK869004	Method No	22/88 AB.
Scan Number	<u> </u>	pound Name	*Estimated
	No Compound	-were detected u	Value
	102 dilution	of the 8 ml extra	et.
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<sup>\*</sup> This is a crude estimation based on response relative to an internal standard. An otherwise standard has not been run.

Fraction GC/MS Scan	Method No.
Sample Number PK869004D	Date/Analyst 12/22/88 86.
Metrix Soil .	Units Mg/Kg

Scan Number	Compound Name	*Estimated Value
	No Compounds were detected in the	
	No Compounds were detected in the 1to 2 dilution of the 8 ml eptract.	
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<sup>\*</sup> This is a crude estimation based on response relative to an internal standard An othertic standard has not been run.